

GHANA COMMUNICATION

TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING

AND DISTANCE EDUCATION (ICDE)

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| COURSE CODE | CICS 112 |
| COURSE TITLE | PROGRAMMING WITH C++ |
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**QUESTION:**

Write an algorithm to find the factorial of a number entered by a user.

**ANSWER**

Step 1: Start

Step 2: Take input and store a non-negative number in *num*

Step 3: Initialize *factorial* = 1 and *counter* = 1

Step 4: While counter <= num, do:

*factorial* = *factorial* \* *counter*

*counter* = *counter* + 1

Step 5: Output *factorial*

Step 6: End